

PROGRAM BOOK

THE 3RD HUMBOLDT KOLLEG IN INDONESIA

International Collaboration of
ASEAN Researchers

**The Rise of ASEAN
and Strategic Partnership in
Understanding the Complexity
and Collective Phenomena in
Emergent Societies**

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Foreword from the Director of Research and Community Services, Ministry of Research, Technology and Higher Education of Indonesia



*The Excellency Ambassador of Germany to Indonesia, ASEAN and Timor-Leste,
Distinguished Head of Division for Asia the Alexander von Humboldt Foundation,
Distinguished Rector of Universitas Pembangunan Jaya,
Distinguished Humboldt Fellows,
Distinguished national and international scientists and academics, ladies and gentlemen*

The Directorate of Research and Community Services of the Ministry of Research, Technology and Higher Education of the Republic of Indonesia congratulates the Humboldt Ambassador Scientist for Indonesia and the Humboldt Fellows Indonesia to hold the 3rd Humboldt Kolleg in cooperation with the Universitas Pembangunan Jaya (UPJ) and the Pembangunan Jaya Center for Urban Studies.

Sustainable development of cities and society has been the concern of the government of Republic of Indonesia. It is the duty of scientists and academicians to contribute to solve the problem for society through development of science and technology and to open the horizon for further development of frontier research. Now days, networking and collaboration in research are the keys to tackle the 21st century challenges which are multifaceted and required to multidisciplinary and even interdisciplinary approaches.

I, as the Director of Research and Community Services, the Ministry of Research, Technology and Higher Education of Indonesia, am fully support and encourage the idea to organize this multidisciplinary conference. The fellows of the Alexander von Humboldt Foundation are of high reputation both in scientific field and in the position at their institution in ASEAN that is strategic for development of academic atmosphere. The challenge is how to join our forces together to make strong regional and international network to develop science, technology and higher education system. I believe that during this three days' conference, these challenges will be address and discussed by the Humboldt Fellows and other participants.

Once again, the Ministry of Research, Technology and Higher Education of Indonesia (KEMENRISTEKDIKTI) congratulates to Humboldt Fellows and all participants for the success of the 3rd Humboldt Kolleg. I wish you all the best and success in building network as well as in the discussion to give contribution to develop science and technology of ASEAN countries.

Sincerely yours,

Prof. Dr. Ocky Karna Radjasa, M.Sc.
*Director of Research and Community Services
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DEVELOPMENT OF WEB-BASED SYSTEMS FOR EMPLOYEE ATTENDANCE IN URBAN AREA

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Employees attendance is important for companies or institutions to do their business, hence employers usually have rules about employee performance based on employee attendance record. Responsibility of recording and maintaining of employee attendance is one job of the Human Resources Section, which such record needs to be accurate, reliable, and secure. This might be difficult to do manual, especially companies or institutions in urban areas where large-scale data gathering. The computerised system is needed to develop which would lead to increase efficiency and productivity of business processes. This paper describes the developing web based systems for recording employee attendance with the feature of easy operation. The development starts by analysing existing system, then a suitable design is presented for fulfilling the needs of the Human Resources Section in supporting such process of decision making in performance appraisals. This paper presents the approach of formalizing the Human Resources Section requirements using use case scenarios and use case diagrams.

Keywords: Employee Attendance, Performance Appraisals, Decision Making, Use Case